Q1 - Describe this code line-by-line.	Name
first name = ["Pierre", "Paul", "Jacques"].sample	
last name = "Paillard"	
<pre>puts "Great! #{first_name} #{last_name} is born"</pre>	
1.	
1. 2.	
2. 3.	
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Q2 - What's a constructor initialize? When is it called and w	what's its purpose?
Q3 - Consider this code. What's the difference between string	g and String?
<pre>string = String.new("Hello World")</pre>	
Q4 - What does this method do?	
<pre>def mystery_method(pets)</pre>	
mammal_pets = []	
for pet in pets	
<pre>mammal_pets &lt;&lt; pet if pet.mammal?</pre>	
end	
<pre>return mammal_pets</pre>	
end	
Q5 - Re-implement previous method mystery_method using a	nice iterator instead.

Q6 - What's the class of the elements of the `pets` array according to you? Implement the class Animal with a constructor and an instance method `mammal?` so that it works with the `mystery_method`.
Q7 - Write a class <code>Dog</code> which inherits from <code>Animal</code> . What should be its `mammal?` method?
Q8 - What's special with the overview method? Is it a class method or an instance method?
<pre>class Fish   def self.overview()     return "Fishes can live in the sea"   end   def swim     # I'm swimming   end end</pre>
Q9 - Please, write some code <b>calling</b> both methods overview and swim.

## Q10 - Let's define 2 classes, Liquid and Alcohol.

```
class Liquid
  def drink
    puts "You drank some liquid"
  end
  def evaporate
    puts "There is no more liquid"
  end
end

class Alcohol < Liquid
  def drink
    puts "You are now drunk"
  end
end</pre>
```

What is printed line 2 and 3 of the following ruby script?

```
beer = Alcohol.new
beer.drink
beer.evaporate
2.
3.
```

```
class Liquid
  def drink
    puts "You drank some liquid"
  end
  def evaporate
    puts "There is no more liquid"
  end
end

class Alcohol < Liquid
  def drink
    super
    puts "You are now drunk"
  end
end</pre>
```

Same question with this new drink method. What is printed on line 2 and 3.

```
beer = Alcohol.new
beer.drink
beer.evaporate
2.
3.
```

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